



GREEN STEAM BOILER™

The First High Efficiency Boiler
Designed Specifically for the Steam Replacement Market

*featuring "Scotch Box" Design, Rolled & Flared 12 Gauge Steel Firetubes,
1/2" Thick Tube Sheets and the Best Warranty in the Industry.*



- ▶ Efficient 3-Pass 4-Sided Wetback
- ▶ 10-100 BHP, 15 PSI Steam
- ▶ Part Load Efficiency Up to 88%
- ▶ 5 Year Non-Prorated Vessel Warranty
- ▶ Weishaupt High Turndown Burner up to 20:1 Turndown and Low Excess Air
- ▶ 5 Year Burner Head Warranty
- ▶ Siemens Linkageless Combustion Control System

L.E.S. Incorporated - Lower Energy Systems

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GREEN STEAM BOILER™

The First High Efficiency Boiler
Designed Specifically for the Steam Replacement Market



Backed by 5 Year Non-Prorated Vessel Warranty



Four-Sided Full Water Back Design & Construction for Maximum Efficiency

- ▶ Weishaupt High Turndown Burner up to 20 : 1 with 3% Oxygen throughout the Operating Range
- ▶ Siemens Linkageless Combustion Control System
- ▶ 85% + Efficiency at High Fire
- ▶ Up to 88% Part Load Efficiency



Rear Manway Allows Access to Tubes and Furnace without Burner Removal

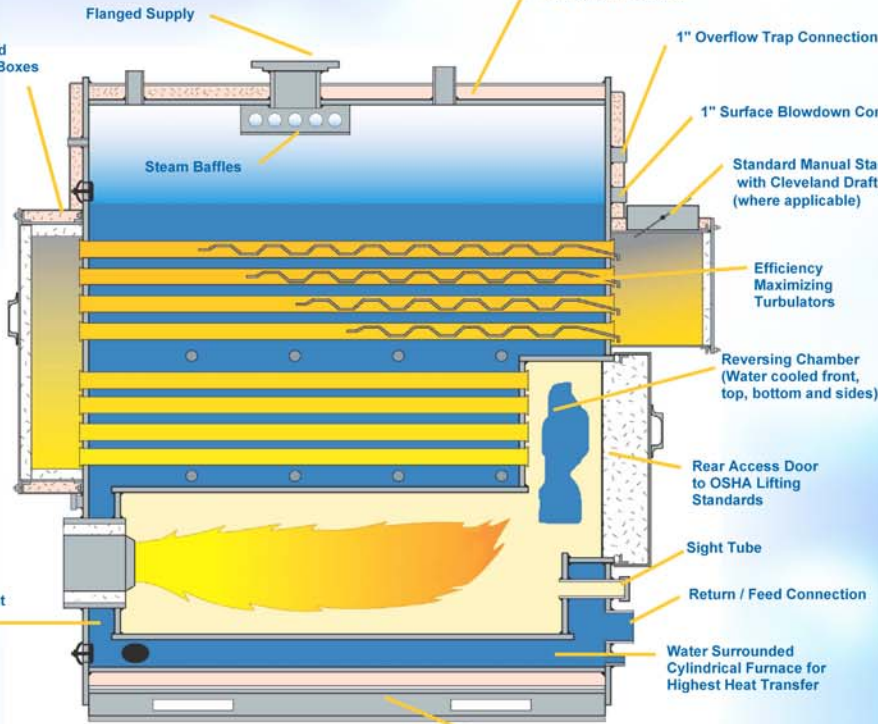


All Green Steam Boilers™ come packaged with HeatSponge™ High-Performance Boiler Economizers to ensure Maximum Operating Efficiency

Extra Clean-out Openings at Bottom of Boiler, Front and Rear



Thermal Shock-Resistant "U-Type" Flex Joint



Rolled & Flared 12 Gauge Tubes for Ease of Planned Maintenance

Structural Steel Skid with Slots for Ease of Forklift Handling



Rugged Steel Fire Tube Proven "Scotch Box" Design



Fully Assembled, Piped & Wired for Quick Installation



Manufactured by Skilled Craftsmen in Illinois U.S.A.

LEED Project Qualified

Fully Insulated Fuel Saving Front & Rear Heads



All Models Fit Thru Standard 36" x 80" Doors with No Expensive Disassembly or Demolition

Tube Removal from Front or Rear

Compact Footprint

Ideal for Multiple / Modular Installations





The Green Steam Boiler Story™

For over 40 years, **Meilner Mechanical Sales, Inc.** has been the single source for sales and service of commercial and industrial boiler room equipment in the Chicagoland

Area including Northern Illinois and Northwest Indiana. Our large inventory of ready to install parts and equipment combined with a staff of experienced individuals allows us to survey, quote, startup and service all of our products when you need them.

Our Mission is to provide you comfort and process steam heat at the lowest energy expenditure possible and the lowest ecological impact on our environment.

Steam is a powerful and potent heating medium, that when properly applied and operated, can rival the efficiency of hydronic systems. Steam heat does not require the large pumps typically associated with hydronic heating. Steam provides its own locomotive force propelling it through the piping system. When steam turns to vapor it expands over 1600 times in volume and can carry 5 times the energy per pound as compared to the liquid alone.

The Green Steam Boiler™ Design combines advanced engineering and complementary equipment packaging to provide efficiencies up to 88%.

The Green Steam Boiler™ built in the State of Illinois by Purdue University trained engineers is the first of its kind designed expressly to meet the exacting requirements of older buildings that use Steam as their Primary Heat Source:

- ▶ **The Green Steam Boiler™** ScotchBox Design with rolled & flared 12 gauge steel firetubes, ½ " thick tube sheets and back by a non-prorated 5 year vessel warranty.
- ▶ **The Green Steam Boiler™** High-Efficiency 3-Pass 4-sided waterback design, fully insulated yet built to fit through any standard 36" x 80" door without expensive disassembly or demolition.
- ▶ **The Green Steam Boiler™** Designed for applications 10-100 BHP 15 PSI Steam with a Part-Load Efficiency of up to 88%.
- ▶ **The Green Steam Boiler™** Equipped with a Weishaupt High Turndown Burner capable of 20 : 1 Turndown and Siemens Linkageless Combustion Control for Oxygen levels as low as 3% throughout the firing range. Includes a 5 year burner head warranty.

**Make Steam Work for YOU
and Our Environment.**

Represented by:



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